TOSHIBA
Leading Innovation
STORAGE DEVICE DIVISION

MKxx61GSYB
2.5-inch SATA HDD

Key Advantages:

- Up to 500GB Storage Capacity
- 3Gb/s Serial ATA, revision 2.6
- 16MB Cache Buffer
- 24x7 operation at a 50% duty cycle

Applications:

- Routers
- Surveillance cameras
- Industrial PCs
- Industrial robotics

Specifications:

	MK8061GSYB	MK1661GSYB	MK2561GSYB	MK5061GSYB
Storage Capacity, Formatted	80 GB	160 GB	250 GB	500 GB
Number of Platters	1	1	1	2
Number of Heads	1	2	2	4
Bytes/ Sector				
Rotational Speed (rpm)	7,200			
Average Latency	4.16 ms			
Average Seek Time:				
Track-to-Track (seek)	1 ms			
Average seek	Read:11 ms, Write:12 ms			
Interface:				
Type	SATA 2.6 / ATA-8			
Data Transfer Rate:	3Gb/s			
Buffer (MB)	16			
Power Requirements:				
Voltage (V); Supply	+5V (±5%)			
Sleep (w)	0.13			
Standby (w)	0.16			
Read / Write (w)	2.1			
Spin-up (start) (w)	5.0			
Physical & Environmental Specifications Dimensions – mm:				
Width x Depth x Height	69.85 x 100.00 x 9.5 mm			
Weight max	115 g			
Environmental:				
Temp: Operating / Non-operating in °C	5 to 55°C / -40 to 65°C			
Shock Operating / Non-operating	325 G 2ms / 900 G 1ms			
Vibration: Operating	1.0G with 5 to 500Hz			
Accoustic Noise (random seek) average	23 dBA	23 dBA	23 dBA	26 dBA
ROHS Compliant	Yes			